

## UNITED STATES PATENT AND TRADEMARK OFFICE

## Patent Application Transmittal

ASSIGNEE NAME: International Business Machines Corporation  
ASSIGNEE RESIDENCE: Armonk, New YorkDate: 11/21, 2003COMMISSIONER FOR PATENTS  
P.O. BOX 1450, Alexandria, VA 22313-1450IBM Corporation  
Intellectual Property Law  
Dept. 1Q0A/040-3  
1701 North Street  
Endicott, New York 13760

Sir:

Transmitted herewith for filing is the Patent Application of: **Jean Audet, et al.**For: **HIGH PERFORMANCE CHIP CARRIER SUBSTRATE**

Also enclosed are:

10 sheets of drawing(s).  Formal  Informal

An assignment of the invention to International Business Machines Corporation.

A certified copy of a Application.

Declaration and Power of Attorney  An Associate Power of Attorney.

Information Disclosure Statement

22581 U.S.PTO  
10/722226

The filing fee has been calculated as shown below:

(Col. 1) (Col. 2)

Other Than  
Small Entity

For:	No. Filed	No. Extra
Basic Fee		
Total Claims 30	-20 =	10
Indep. Claims 4	- 3 =	1
<input type="checkbox"/> Multiple Dependent Claim Presented		

Rate	Fee
	770
x \$18.00=	180
x \$86.00=	86
280	0
Subtotal	1,036
130	0
<b>TOTAL</b>	<b>1,036</b>

Surcharge-Late Filing Fee or Oath or Declaration

Please charge my Deposit Account No. 09-0457 in the amount of \$ 1,036.00. A duplicate copy of this sheet is enclosed.

The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 09-0457. A duplicate copy of this sheet is enclosed.

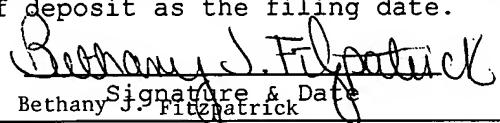
Any additional filing fees required under 37 CFR \$1.16.  Any patent application processing fee under 37 CFR \$1.17.

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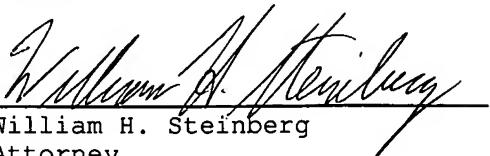
I hereby certify that this correspondence is being deposited with the United States Postal Service as Express Mail in an envelope addressed to: COMMISSIONER FOR PATENTS, P.O. BOX 1450, ALEXANDRIA, VA 22313-1450. Applicant and/or Attorney requests the date of deposit as the filing date.

11/25/03

Date of Deposit

  
Bethany J. Fitzpatrick  
Signature & Date

Respectfully submitted,  
**Jean Audet, et al.**

By:   
William H. Steinberg  
Attorney  
Registration No.: 28,540  
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EN-

IBM Docket No. END920030089US1  
**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of: **Jean Audet, et al.**

Serial No.: **Group Art Unit:**

Filed: **herewith** Examiner:

For: **HIGH PERFORMANCE CHIP CARRIER SUBSTRATE**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**EXPRESS MAIL CERTIFICATE**

“Express Mail” label number: **ER063655588US**

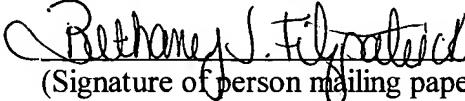
Date of Deposit: **November 25, 2003**

I hereby certify that the following **attached** paper or fee

Patent Application Fee Transmittal  
Application  
Drawings, 10 sheets  
Declaration, 2 pgs. (executed)  
IDS, PTO-1449  
Assignment, 2 pg. (executed)  
Recordation Form Cover Sheet  
Postcard (2)  
Express Mail Cert.

is being deposited with the United States Postal Service “Express Mail Post Office to Addressee” service under 37 CFR 1.10 on the date indicated above and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

**Bethany J. Fitzpatrick**  
(Name of person mailing paper or fee)

  
**Bethany J. Fitzpatrick**  
(Signature of person mailing paper or fee)

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